

05-90  
1023

#11

OIPE

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/09/837,306

DATE: 10/12/2001  
 TIME: 12:07:12

Input Set : A:\Dyax002.app  
 Output Set: N:\CRF3\10122001\I837306.raw

3 <110> APPLICANT: LADNER, ROBERT C.  
 4 COHEN, EDWARD H.  
 5 NASTRI, HORACIO G.  
 6 ROOKEY, KRISTIN L.  
 7 HOET, RENE  
 9 <120> TITLE OF INVENTION: NOVEL METHODS OF CONSTRUCTING LIBRARIES OF GENETIC  
 10 PACKAGES THAT COLLECTIVELY DISPLAY THE MEMBERS OF A  
 11 DIVERSE FAMILY OF PEPTIDES, POLYPEPTIDES OR PROTEINS  
 13 <130> FILE REFERENCE: DYAX/002  
 15 <140> CURRENT APPLICATION NUMBER: 09/837,306  
 C--> 16 <141> CURRENT FILING DATE: 2001-09-24 ✓  
 18 <150> PRIOR APPLICATION NUMBER: 60/198,069  
 19 <151> PRIOR FILING DATE: 2000-04-17  
 21 <160> NUMBER OF SEQ ID NOS: 428  
 23 <170> SOFTWARE: PatentIn Ver. 2.1  
 25 <210> SEQ ID NO: 1  
 26 <211> LENGTH: 17  
 27 <212> TYPE: DNA  
 28 <213> ORGANISM: Artificial Sequence ✓  
 30 <220> FEATURE:  
 31 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 32 oligonucleotide  
 34 <400> SEQUENCE: 1  
 35 catgtgtatt actgtgc 17  
 38 <210> SEQ ID NO: 2  
 39 <211> LENGTH: 44  
 40 <212> TYPE: DNA  
 41 <213> ORGANISM: Artificial Sequence ✓  
 43 <220> FEATURE:  
 44 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic ✓  
 45 oligonucleotide  
 47 <400> SEQUENCE: 2  
 48 cacatccgtg cttcttgcac ggatgtggca cagtaataca catg 44  
 51 <210> SEQ ID NO: 3  
 52 <211> LENGTH: 18  
 53 <212> TYPE: DNA  
 54 <213> ORGANISM: Artificial Sequence ✓  
 56 <220> FEATURE:  
 57 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic ✓  
 58 oligonucleotide  
 60 <400> SEQUENCE: 3  
 61 gtgtattaga ctgctgcc 18  
 64 <210> SEQ ID NO: 4  
 65 <211> LENGTH: 43  
 66 <212> TYPE: DNA  
 67 <213> ORGANISM: Artificial Sequence  
 69 <220> FEATURE:

ENTERED

P. 5

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/837,306

DATE: 10/12/2001

TIME: 12:07:12

Input Set : A:\Dyax002.app

Output Set: N:\CRF3\10122001\I837306.raw

```

70 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic ✓
71     oligonucleotide
73 <400> SEQUENCE: 4
74 ggcagcagtc taatacacca catccgtggtt cttcacggat gtg                43
77 <210> SEQ ID NO: 5
78 <211> LENGTH: 47
79 <212> TYPE: DNA
80 <213> ORGANISM: Artificial Sequence
82 <220> FEATURE:
83 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic ✓
84     oligonucleotide
86 <400> SEQUENCE: 5
87 cacatccgtg tttgttacac ggatgtggtg tcttacagtc cattctg            47
90 <210> SEQ ID NO: 6
91 <211> LENGTH: 20
92 <212> TYPE: DNA
93 <213> ORGANISM: Artificial Sequence
95 <220> FEATURE:
96 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic ✓
97     oligonucleotide
99 <400> SEQUENCE: 6
100 cagaatggac tgtaagacac                20
103 <210> SEQ ID NO: 7
104 <211> LENGTH: 43
105 <212> TYPE: DNA
106 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic ✓
110     oligonucleotide
112 <400> SEQUENCE: 7
113 atcgagtctc actgagccac atccgtggtt ttccacggat gtg                43
116 <210> SEQ ID NO: 8
117 <211> LENGTH: 17
118 <212> TYPE: DNA
119 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic ✓
123     oligonucleotide
125 <400> SEQUENCE: 8
126 gctcagtgag actcgat                17
129 <210> SEQ ID NO: 9
130 <211> LENGTH: 19
131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic ✓
136     oligonucleotide
138 <400> SEQUENCE: 9
139 atgaccgaat tgctacaag                19

```

## RAW SEQUENCE LISTING

DATE: 10/12/2001

PATENT APPLICATION: US/09/837,306

TIME: 12:07:12

Input Set : A:\Dyax002.app

Output Set: N:\CRF3\10122001\I837306.raw

```

142 <210> SEQ ID NO: 10
143 <211> LENGTH: 46
144 <212> TYPE: DNA
145 <213> ORGANISM: Artificial Sequence
147 <220> FEATURE:
148 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
149     oligonucleotide
151 <400> SEQUENCE: 10
152 gactcctcag cttcttgctg aggagtcctt gtagcaattc ggtcat           46
155 <210> SEQ ID NO: 11
156 <211> LENGTH: 30
157 <212> TYPE: DNA
158 <213> ORGANISM: Artificial Sequence
160 <220> FEATURE:
161 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
162     oligonucleotide
164 <400> SEQUENCE: 11
165 acctcactgg cttccggatt cactttctct           30
168 <210> SEQ ID NO: 12
169 <211> LENGTH: 42
170 <212> TYPE: DNA
171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
175     oligonucleotide
177 <400> SEQUENCE: 12
178 agaaacccac tccaaacctt taccaggagc ttggcgaacc ca           42
181 <210> SEQ ID NO: 13
182 <211> LENGTH: 51
183 <212> TYPE: DNA
184 <213> ORGANISM: Artificial Sequence
186 <220> FEATURE:
187 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
188     oligonucleotide
190 <400> SEQUENCE: 13
191 ggaaggcagt gatctagaga tagtgaagcg acctttaacg gatcagcat a       51
194 <210> SEQ ID NO: 14
195 <211> LENGTH: 23.
196 <212> TYPE: DNA
197 <213> ORGANISM: Artificial Sequence
199 <220> FEATURE:
200 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
201     oligonucleotide
203 <400> SEQUENCE: 14
204 ggaaggcagt gatctagaga tag           23
207 <210> SEQ ID NO: 15
208 <211> LENGTH: 24
209 <212> TYPE: DNA
210 <213> ORGANISM: Artificial Sequence

```

## RAW SEQUENCE LISTING

DATE: 10/12/2001

PATENT APPLICATION: US/09/837,306

TIME: 12:07:12

Input Set : A:\Dyax002.app

Output Set: N:\CRF3\10122001\I837306.raw

212 <220> FEATURE:  
 213 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 214 oligonucleotide  
 216 <220> FEATURE:  
 217 <221> NAME/KEY: modified base  
 218 <222> LOCATION: (11)..(24)  
 219 <223> OTHER INFORMATION: a, t, c, g, other or unknown  
 221 <400> SEQUENCE: 15  
 W--> 222 ~~cacggatgtg~~ ~~nnnnnnnnnn nnnn~~ *OK* 24  
 225 <210> SEQ ID NO: 16  
 226 <211> LENGTH: 24  
 227 <212> TYPE: DNA  
 228 <213> ORGANISM: Artificial Sequence  
 230 <220> FEATURE:  
 231 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic  
 232 oligonucleotide  
 234 <220> FEATURE:  
 235 <221> NAME/KEY: modified base  
 236 <222> LOCATION: (1)..(14)  
 237 <223> OTHER INFORMATION: a, t, c, g, other or unknown  
 239 <400> SEQUENCE: 16  
 W--> 240 ~~nnnnnnnnnn nnnn~~ ~~cacatc~~ ~~cgtg~~ *OK* 24  
 243 <210> SEQ ID NO: 17  
 244 <211> LENGTH: 14  
 245 <212> TYPE: DNA  
 246 <213> ORGANISM: Artificial Sequence  
 248 <220> FEATURE:  
 249 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic *OK*  
 250 oligonucleotide  
 252 <400> SEQUENCE: 17  
 253 gtgtattact gtgc 14  
 256 <210> SEQ ID NO: 18  
 257 <211> LENGTH: 34  
 258 <212> TYPE: DNA  
 259 <213> ORGANISM: Artificial Sequence  
 261 <220> FEATURE:  
 262 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic *OK*  
 263 oligonucleotide  
 265 <400> SEQUENCE: 18  
 266 cacatccgtg cacggatgtg gcacagtaat acac 34  
 269 <210> SEQ ID NO: 19  
 270 <211> LENGTH: 14  
 271 <212> TYPE: DNA  
 272 <213> ORGANISM: Artificial Sequence  
 274 <220> FEATURE:  
 275 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic *OK*  
 276 oligonucleotide  
 278 <400> SEQUENCE: 19  
 279 gtgtattaga ctgc 14

## RAW SEQUENCE LISTING

DATE: 10/12/2001

PATENT APPLICATION: US/09/837,306

TIME: 12:07:12

Input Set : A:\Dyax002.app

Output Set: N:\CRF3\10122001\I837306.raw

```

282 <210> SEQ ID NO: 20
283 <211> LENGTH: 34
284 <212> TYPE: DNA
285 <213> ORGANISM: Artificial Sequence
287 <220> FEATURE:
288 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic OK
289     oligonucleotide
291 <400> SEQUENCE: 20
292 gcagtctaatacaccacatc cgtgcacgga tgtg          34
295 <210> SEQ ID NO: 21
296 <211> LENGTH: 34
297 <212> TYPE: DNA
298 <213> ORGANISM: Artificial Sequence
300 <220> FEATURE:
301 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic OK
302     oligonucleotide
304 <400> SEQUENCE: 21
305 cacatccgtg caccgatgtg gtgtcttaca gtcc          34
308 <210> SEQ ID NO: 22
309 <211> LENGTH: 14
310 <212> TYPE: DNA
311 <213> ORGANISM: Artificial Sequence
313 <220> FEATURE:
314 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic OK
315     oligonucleotide
317 <400> SEQUENCE: 22
318 ggactgtaag acac          14
321 <210> SEQ ID NO: 23
322 <211> LENGTH: 34
323 <212> TYPE: DNA
324 <213> ORGANISM: Artificial Sequence
326 <220> FEATURE:
327 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic OK
328     oligonucleotide
330 <400> SEQUENCE: 23
331 gagtctcaact gagccacatc cgtgcacgga tgtg          34
334 <210> SEQ ID NO: 24
335 <211> LENGTH: 14
336 <212> TYPE: DNA
337 <213> ORGANISM: Artificial Sequence
339 <220> FEATURE:
340 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic OK
341     oligonucleotide
343 <400> SEQUENCE: 24
344 gctcagtgag actc          14
347 <210> SEQ ID NO: 25
348 <211> LENGTH: 14
349 <212> TYPE: DNA
350 <213> ORGANISM: Artificial Sequence

```

Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/837,306

DATE: 10/12/2001

TIME: 12:07:13

Input Set : A:\Dyax002.app

Output Set: N:\CRF3\10122001\I837306.raw

L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:222 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15

L:240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16

L:2891 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:203

L:2892 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:203